

# Data Health Requirements Document

## Introduction

This document was created by the Data Fusion Requirements Team, a sub-team created by the CLCS Application Software Team. The intended use of this document is to provide the data health/ data path health/ data validity developers with Application software needs and inputs.

## ASSUMPTIONS

Every fd from the DDP shall have data validity information.

All CCMS data validity fds (ex. SGS1ADATAV, SOIFID, SHxxxSHxxx, etc.) shall still be available (at least initially).

The data as seen by the DDP shall always pass that data on (to the CCP or console) regardless of the data validity information.

Application software shall have access to the validity status of every fd.

Application software shall be able to determine the reason why an fd is invalid.

## Data Validity Information

The following items warrant notification:

- Invalid format
- Gateway bad/down
- Data path invalid (Gateway, FEP, HIM, signal conditioner, sensor, etc.)
- Operator flagged Their shall be the capability to mark an fd as invalid and the capability to input the reason why the fd is invalid. This includes a disconnected LRU, broken LRU, bypassed item, an expert system marking the fd as invalid etc.

There shall be the capability to override (set valid or invalid and state why) the data validity status of an fd.